

इंटरनेट

मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 4586-1-4 (1987): Dimensions of Spindles and Mounting Arrangements for Spindle Operated Electronic Components, Part 1: Spindles, Section 4: Slotted Spindles [LITD 3: Electromechanical COmponents and Mechanical Structures for Electronic Equipment]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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*Indian Standard***DIMENSIONS OF SPINDLES AND MOUNTING ARRANGEMENTS FOR  
SPINDLE OPERATED ELECTRONIC COMPONENTS****PART 1 SPINDLES****Section 4 Slotted Spindles***( Second Revision )*

**0. General** — This standard ( Part 1/Sec 4 ) shall be used in conjunction with IS : 4586 ( Part 1/Sec 1 )-1987 'Dimensions of spindles and mounting arrangements for spindle operated electronic components: Part 1 Spindles, Sec 1 General and definitions ( *second revision* )'.

**1. Scope** — Covers dimensions of slotted spindles.

**2. Dimensions** — See Table 1.

Adopted 10 August 1987

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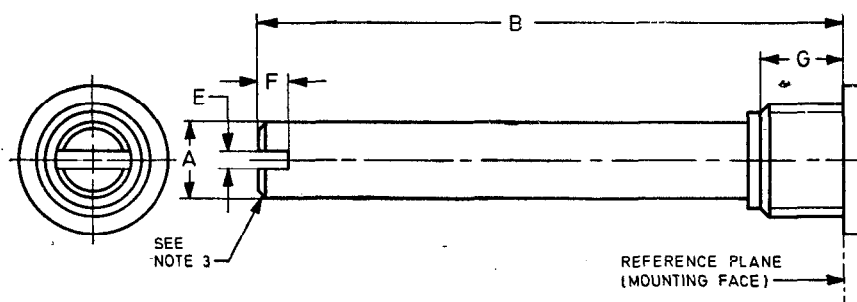
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**BUREAU OF INDIAN STANDARDS**  
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG  
NEW DELHI 110002

TABLE 1 DIMENSIONS OF SLOTTED SPINDLE

( Clause 2 )

All dimensions in millimetres.



Dimensions A ( See Note 4 )		Dimensions B ( See Note 1, 2, 5 )										Dimension E	Dimension F	Dimension G, Min ( See Note 6 )
General h 11*	Precision h 9*	6 ± 0.5	10 ± 0.5	16 ± 0.5	20 ± 0.5	32 ± 0.5	34.5 ± 0.5	40 ± 1	50 ± 1	63 ± 1	80 ± 1			
3 $\begin{smallmatrix} +0 \\ -0.06 \end{smallmatrix}$	3 $\begin{smallmatrix} +0 \\ -0.025 \end{smallmatrix}$	↑	↑	↑	↑	↑	↑					0.6 ± 0.1	1.2 ± 0.2	No Bush
3.2 $\begin{smallmatrix} +0 \\ -0.07 \end{smallmatrix}$	3.2 $\begin{smallmatrix} +0 \\ -0.03 \end{smallmatrix}$	↑	↑	↑	↑	↑	↑					0.8 ± 0.1	1.5 ± 0.2	6.35, 10
4 $\begin{smallmatrix} +0 \\ -0.075 \end{smallmatrix}$	4 $\begin{smallmatrix} +0 \\ -0.03 \end{smallmatrix}$	↑	↑	↑	↑	↑	↑	↑				0.8 ± 0.1	1.5 ± 0.2	4
6 $\begin{smallmatrix} +0 \\ -0.075 \end{smallmatrix}$	6 $\begin{smallmatrix} +0 \\ -0.03 \end{smallmatrix}$	↓	↓						↑			1.0 ± 0.1	2.0 ± 0.2	5
6.35 $\begin{smallmatrix} +0 \\ -0.08 \end{smallmatrix}$	6.35 $\begin{smallmatrix} +0 \\ -0.03 \end{smallmatrix}$								↑	↑		1.0 ± 0.1	2.0 ± 0.2	6.35, 9.5
8 $\begin{smallmatrix} +0 \\ -0.09 \end{smallmatrix}$	8 $\begin{smallmatrix} +0 \\ -0.036 \end{smallmatrix}$										↑	1.2 ± 0.1	3.0 ± 0.2	7
10 $\begin{smallmatrix} +0 \\ -0.09 \end{smallmatrix}$	10 $\begin{smallmatrix} +0 \\ -0.035 \end{smallmatrix}$			↓	↓	↓	↓	↓	↓	↓	↓	2.0 ± 0.1	3.0 ± 0.2	10

**Note 1** — If intermediate values are required, they should preferably be chosen from the R 20 series ( mm ) [ ( see IS : 1076-1967 'Preferred numbers' ) ( first revision ) ].

**Note 2** — The tolerance of the length may be  $\pm 2$  mm for potentiometers with high rated dissipation.

**Note 3** — Chamfer at 40°/50° or a radius for a depth of 5 to 10 percent of dimension A.

**Note 4** — The underlined dimensions are preferred diameters.

**Note 5** — Values for dimensions B are chosen from R 20 series ( mm ) [ ( see IS : 1076-1967 'Preferred numbers' ) ( first revision ) ].

**Note 6** — Fixing of bush may be done by pressing a 'C' washer in the groove cut in the spindle to a depth of 1 to 1.5 mm.

**Note 7** — Dimensions apply to spindles after suitable finish.

\*IS : 919 ( Part 1 ) -1963 'Recommendations for limits and fits for engineering: Part 1 General engineering ( first revision )'.